

**ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP
AUGUST 9, 2011**

COMMITTEE MEMBERS PRESENT

Ed Mandich, Committee Chair
Matt Disston, Committee Member Alternate

STAFF PRESENT

Don Chadd, General Manager
Teresa Teichman, Secretary to the Board of Directors
Michael Perea, Special Projects Manager
Kris Hanberg, Wastewater Supervisor
Neil McKenna, Water Supervisor
Bob Beck, Maintenance Supervisor

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:05 a.m.

VISITOR PARTICIPATION

There was no visitor participation

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

There were no director comments

REPORT FROM THE GENERAL MANAGER

Mr. Don Chadd, General Manager, advised Mr. Hector Ruiz, District Engineer is on vacation at this time.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
AUGUST 9, 2011
PAGE 2**

PROJECT MANAGEMENT

**ITEM NO. 1A) STATUS REPORT AND POSSIBLE ACTION RELATING TO
STORM DAMAGE**

Mr. Chadd advised there is no new information to report on this project.

Mr. Chadd advised TCWD has received formal notification from FEMA relating to the denial of Project WSP 6, repair of the 16-inch Raw Water Transmission Line that crosses Serrano Creek in the City of Lake Forest.

Mr. Chadd noted that Mr. Ruiz had prepared a response to FEMA which will be sent within the 30 day timeline.

The Engineering/Operational Committee received the status update. Forward to the Board (Action Calendar).

**ITEM NO. 1B) STATUS UPDATE AND POSSIBLE ACTION RELATING TO
BAKER WATER TREATMENT PLANT**

Mr. Chadd advised the Baker Water Treatment Plant (BWTP) Variance No. 4 change order has been approved by the other Board of Directors for each participating agency.

Discussion occurred as to the dollar amount of the change order and the overall percentage of increase relating to design. Vice President Mandich stated he would like to see the cost of each line item in order to have better knowledge of costs. Director Disston agreed and stated with line item information costs will be easier to discern.

The Engineering/Operational Committee received the status update. Forward to Board (Action Calendar).

**ITEM NO. 1C) STATUS UPDATE RELATING TO BROOKSEED/DOVE INTER-
TIE**

Mr. Chadd advised Mr. Ruiz performed a field walk with PSOMAS during the week of August 1, 2011. It appears the connection to Brookseed will be easily accomplished. Mr. Chadd advised Mr. Ruiz will be determining the location of the pressure reducing valve, prior to the Dove Reservoir and also accessing the location to place fire hydrants along the route.

Discussion occurred as to necessary easements through private property. Mr. Chadd stated he is in communication with the President of the Dove Canyon Master Association and Trabuco Highlands Community Association regarding this issue.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
AUGUST 9, 2011
PAGE 3**

The Engineering/Operational Committee received the staff report. No action necessary.

**ITEM NO. 1D) STATUS UPDATE RELATING TO TRABUCO HIGHLANDS
RESERVOIR PRESSURE ZONE EVALUATION**

Mr. Chadd advised Mr. Ruiz has met with PSOMAS relating to this project.

Discussion occurred relating to different valves and location of the potential affected areas relating to this project.

The Engineering/Operational Committee received the staff report. No action necessary.

**ITEM NO. 1E) STATUS UPDATES RELATING TO ON-GOING ENGINEERING
PROJECTS**

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Chadd advised there is no new information to report

2. Shadow Rock Detention Basin Facility Project

Mr. Chadd advised that Mr. Michael Perea, Special Projects Manager, attended a meeting during the week of August 8, 2011.

3. Other Projects

Mr. Chadd advised there are no other projects to discuss.

The Engineering/Operational Committee received the status updates. No action necessary.

ITEM 1F) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Skyridge – Standard Pacific Homes (85 DUs)

Mr. Chadd advised there is no new information to report.

ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
AUGUST 9, 2011
PAGE 4

2. Oaks at Trabuco

Mr. Chadd advised he is having on-going dialogue with the property owner, Mr. Bruce Goren as it relates tank infiltration. Mr. Chadd advised there is no one living in the one home that is built, however, TCWD has provided nine sewer services this month.

Discussion occurred relating to the cost and efficiency of the package sewer plant at this location.

3. Fieldstone

Mr. Chadd advised the water and sewer connections are in place for this development.

4. Other Active Developments

Mr. Chadd advised he has been contacted by Mr. Robert Meyer as it relates to his Agreement with the District. Mr. Chadd advised the buy-in extension expires in August 2011 and Mr. Meyer is requesting an additional five year extension.

Mr. Chadd provided a status update as to the current level of activity relating to the homes on this property and the terms of the original buy-in agreement.

Discussion occurred relating to the potential financial factors involved.

The Engineering/Operational Committee received the status update. Forward to Board. (Action Calendar).

ITEM NO. 1G) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the July 2011 update.

Source Water Production

1. The water treatment plant production totaled 149 acre feet.
2. The Trabuco Creek Water Treatment Facility produced 112 acre feet.
3. The average daily demand was 8.6 acre feet, or 4.3 cfs.
4. The demand for the District was 270 acre feet of which the Trabuco Creek Wells Facility provided 41%.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
AUGUST 9, 2011
PAGE 5**

Projects and Repairs

1. Water Department personnel located a 16-inch water transmission line on Regency Lane in the KB Homes development.
2. Water Department personnel had a planned power outage at the Water Treatment Plant so that Southern California Edison (SCE) could install a switchgear. During this time, Hunter Electric performed a maintenance service on major electrical components..

Discussion occurred related to the level of water in the wells.

The Engineering/Operational Committee received the status update. No action required.

ITEM NO. 1H) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Operator provided the July 2011 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 58.1 acre feet.
2. The recycled water demand was 88 acre feet.
3. Dove Lake had 9.9 feet of freeboard.
4. The reclaimed water reservoir had 3 feet of freeboard.
5. The District pumped a total of 35.7 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 13.4 acre feet.
7. There was no water pumped to the Portola Basin.

Projects

1. Wastewater Personnel performed asphalt work at the Wastewater Treatment Plant and the Water Treatment Plant.
2. Wastewater Personnel completed sewer line cleaning within the District.

Mr. Hanberg reported sewer line cleaning of the entire district took one year and one month to complete. Mr. Hanberg reported he pumped out the Oaks at Trabuco nine times during the

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
AUGUST 9, 2011
PAGE 6**

month of July.

Discussion occurred relating to Dove Lake as it relates to the use of Solar Bees and the diffuser. Lake levels and dissolved oxygen levels were also discussed. Levels within the Dove Lake Reservoir were discussed as it relates to operational strategies.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1I) JULY 2011 OPERATIONAL REPORT REVIEW

The Committee reviewed the information provided.

Mr. McKenna advised the increase in AMP water purchased was due to the Water Treatment Plant shutdown in July which was required by SCE.

Mr. McKenna discussed the notice TCWD received from the Department of Public Health (DPH) as it relates to affluent coliform levels at the Water Treatment Plant. Mr. McKenna advised DHP may move TCWD to test for fecal versus total coliform.

Mr. Chadd clarified there is no fecal in the test results at this time and that the District Engineer is aware of the matter. Mr. Chadd explained the condition of Lake Matthews water along with the quality of the water within Irvine Lake after heavy rains.

The Engineering/Operational Committee received and filed the report. No action taken.

**ITEM NO. 1J) ENGINEERING/OPERATIONAL COMMITTEE MEETING
RECAP**

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the July 14, 2011 Engineering/Operational Committee Meeting Recap. (Consent Calendar).

**ITEM NO. 1K) DISCUSSION AND POSSIBLE ACTION REGARDING THE FINES
IMPOSED BY THE SAN DIEGO REGIONAL WATER QUALITY
CONTROL BOARD ON THE SANTA MARGARITA WATER
DISTRICT RELATING TO THE 2010 SEWAGE SPILL**

**ENGINEERING/OPERATIONAL COMMITTEE MEETING
AUGUST 9, 2011
PAGE 7**

Mr. Chadd advised he is ready to discuss the issues with the Santa Margarita Water District as it relates to TCWD's portion of responsibility in the March 2010 sewage spill and TCWD's associated costs.

Mr. Chadd advised he anticipates this meeting will occur within the next 30 days.

Discussion occurred relating to the position the San Diego Regional Water Quality Control Board has taken lately relating to the issue of fines imposed on Districts.

Recommended Action: The Committee received the information. No action required.

ITEM NO. 1L) OTHER MATTERS/REPORTS

Mr. Chadd provided a status as it relates to the outstanding invoice TCWD has with the City of Rancho Santa Margarita (City) for the reclaimed water conversion TCWD performed for the City in March 2011.

Mr. Chadd reminded the Committee it was the City who approached TCWD with the request to perform the project in April of 2010 so that the City would not have to bid the project as a Public Works project. City Staff request TCWD Board of Directors at the time of the April 21, 2010 Regular Board Meeting to waive the district required developer deposit for a neighboring Public agency.

Discussion occurred relating to the amount of legal fees absorbed by TCWD including the write off of all General Manager and District Engineering fees relating to the project.

ADJOURNMENT

Committee Chair Mandich adjourned the August 9, 2011 Engineering/Operational Committee Meeting at 7:48 a.m.